

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("20020134138").PN.	US-PGPUB; USPAT	OR	OFF	2010/09/30 20:09
L2	89	359/819.ccls. and @pd> = "20100409"	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L3	0	73/35.07,114.09.ccls. and @pd> = "20100409"	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L4	31	359/800,799,691,739.ccls. and @pd> = "20100409"	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L5	5	(("4753224") or ("5335061") or ("6320184") or ("20020027723") or ("20020134138")).PN.	US-PGPUB; USPAT	OR	OFF	2010/09/30 20:09
L6	115	(optical near3 sensor) near20 (combustion near3 chamber)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L7	305	(optical near3 sensor) near20 combustion	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L8	2147	359/819.ccls.	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L9	114	73/35.07,114.09.ccls.	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L10	1045	359/800,799,691,739.ccls.	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L11	1	L7 and L8	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L12	27	L7 and (L9 L10)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L13	757	(waveguide wave-guide ((light ray beam illumination) near3 pipe guide)) near20 lens near20 concave	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L14	5	L8 and L13	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L15	2271	double near3 concave	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L16	13	L13 and L15	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L17	12	(monitor\$3 near3 combustion) near20 lens	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L18	86335	combustion near3 chamber	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L19	1	L13 and L18	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09

L20	4	double near3 concave near20 sensor	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L21	1697	plano-concave near3 lens	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L22	50	L13 and L21	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L23	20	(lens near4 system) near5 (combustion)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L24	25554	sensor near20 combustion	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L25	5746	sensor near20 (combustion near5 chamber)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L26	7	(sensor near20 (combustion near5 chamber)) same concave	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L27	679	waveguide near20 sheath	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L28	10	waveguide near20 sheath near20 (sesnor detect\$3)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L29	7	(solder\$3 near20 gap) same (combustion near3 chamber)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L30	1410	(double near3 concave near3 lens)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L31	1204087	(waveguide wave-guide ((light ray beam illumination) near3 pipe guide))	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L32	286	L30 and L31	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L33	24	(waveguide wave-guide ((light ray beam illumination) near3 pipe guide)) same (double near3 concave near3 lens)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L34	4	combustion near3 chamber same (double near3 concave near3 lens)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L35	2	("4419212") or ("4393687"). PN.	US-PGPUB; USPAT	OR	OFF	2010/09/30 20:09
L36	78	(optical near3 sensor) near20 (combustion near3 chamber)	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L37	201	(optical near3 sensor) near20 combustion	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L38	268	(waveguide wave-guide ((light ray beam illumination) near3 pipe guide)) near20 lens near20 concave	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L39	730	double near3 concave	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L40	8	(monitor\$3 near3 combustion) near20 lens	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L41	101248	combustion near3 chamber	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09

L42	4	double near3 concave near20 sensor	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L43	393	plano-concave near3 lens	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L44	12	(lens near4 system) near5 (combustion)	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L45	20657	sensor near20 combustion	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L46	2586	sensor near20 (combustion near5 chamber)	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L47	1	(sensor near20 (combustion near5 chamber)) same concave	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L48	326	waveguide near20 sheath	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L49	326	(double near3 concave near3 lens)	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L50	4	(waveguide wave-guide ((light ray beam illumination) near3 pipe guide)) same (double near3 concave near3 lens)	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L51	1	combustion near3 chamber same (double near3 concave near3 lens)	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L52	0	L48 and L49	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L53	1	L38 and L49	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L54	0	(spark near3 plugs) near20 (double near3 concave near3 lens)	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L55	0	(spark near3 plugs) same (double near3 concave near3 lens)	FPRS; EPO; JPO; DERWENT	OR	ON	2010/09/30 20:09
L56	1	(spark near3 plugs) near20 (double near3 concave near3 lens)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L57	2	(spark near3 plugs) same (double near3 concave near3 lens)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L58	4	(spark near3 plugs) and (double near3 concave near3 lens)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L59	0	sensor near5 waveguide near5 ((two near3 lens\$2) (double near5 lens\$2))	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L60	2	sensor near10 waveguide near10 ((two near3 lens\$2) (double near5 lens\$2))	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L61	1795	sensor near10 ((two near3 lens \$2) (double near5 lens\$2))	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09

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L62	141	(optical near3 sensor) near10 ((two near3 lens\$2) (double near5 lens\$2))	US-PGPUB; USPAT	OR	ON	2010/09/30 20:09
L63	1	("20020134138").PN.	US-PGPUB; USPAT	OR	OFF	2010/09/30 20:17
L64	1707	(sensor near4 (double two) near5 lens\$2)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:56
L65	855	(sensor near4 (double two) near2 lens\$2)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:56
L66	0	65 and (comustion near4 chamber)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:57
L67	1	65 and (combustion near4 chamber)	US-PGPUB; USPAT	OR	ON	2010/09/30 20:57
L68	857	((double two) near3 lens\$2) near3 sensor	US-PGPUB; USPAT	OR	ON	2010/09/30 21:00
L69	6	(((double two) near3 lens\$2) near3 sensor) near20 chamber	US-PGPUB; USPAT	OR	ON	2010/09/30 21:01
L70	520	(((double two) near3 lens\$2) near2 sensor)	US-PGPUB; USPAT	OR	ON	2010/09/30 21:06
L71	1	(((double two) near3 lens\$2) near2 sensor) same waveguide	US-PGPUB; USPAT	OR	ON	2010/09/30 21:06
L72	13	(((double two) near3 lens\$2) near2 sensor) and waveguide	US-PGPUB; USPAT	OR	ON	2010/09/30 21:07
L73	3942	waveguide near5 sensor	US-PGPUB; USPAT	OR	ON	2010/09/30 21:08
L74	1165	waveguide near sensor	US-PGPUB; USPAT	OR	ON	2010/09/30 21:09
L75	3	(waveguide near sensor) same ((double two) near5 lens\$2)	US-PGPUB; USPAT	OR	ON	2010/09/30 21:09
L76	55	(waveguide near sensor) same lens	US-PGPUB; USPAT	OR	ON	2010/09/30 21:11
L77	0	(((double two) near3 lens\$2) near2 sensor) same (spark near3 plug)	US-PGPUB; USPAT	OR	ON	2010/09/30 21:28
L78	121806	optical near3 sensor	US-PGPUB; USPAT	OR	ON	2010/09/30 21:31
L79	39306	waveguide.clm.	US-PGPUB; USPAT	OR	ON	2010/09/30 21:31
L80	36480	sheath.clm.	US-PGPUB; USPAT	OR	ON	2010/09/30 21:31
L81	539	plano near3 concave.clm.	US-PGPUB; USPAT	OR	ON	2010/09/30 21:33
L82	25739	optical near3 sensor.clm.	US-PGPUB; USPAT	OR	ON	2010/09/30 21:33
L83	1	79 and 80 and 81 and 82	US-PGPUB; USPAT	OR	ON	2010/09/30 21:34

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L84	58551	waveguide	USPAT; UPAD	OR	ON	2010/09/30 21:35
L85	86501	sheath	USPAT; UPAD	OR	ON	2010/09/30 21:35
L86	1746	plano near3 concave	USPAT; UPAD	OR	ON	2010/09/30 21:35
L87	65778	optical near3 sensor	USPAT; UPAD	OR	ON	2010/09/30 21:35
L88	0	84 and 85 and 86 and 87	USPAT; UPAD	OR	ON	2010/09/30 21:36

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